

WHAT IS CLAIMED IS:

1. An electronic apparatus comprising:
  - a housing;
  - a first heat-generating member provided in the  
5 housing;
  - a heat-radiating member thermally connected to the first heat-generating member;
  - a first fan module guiding air to the heat-radiating member;
  - 10 a second heat-generating member provided in the housing;
  - a second fan module discharging air out of the housing; and
  - a wall section provided in the housing, located  
15 between the first fan module and the second fan module.
2. The electronic apparatus according to claim 1, wherein the heat-radiating member is provided at an end of the housing, the first fan module is provided in the housing more inwardly than the heat-radiating member,  
20 and the first fan module guides air outside the housing by blowing air to the heat-radiating member.
3. The electronic apparatus according to claim 2, wherein the second fan module is provided at the end of the housing, and the second heat-generating member is  
25 provided in the housing more inwardly than the second fan module.
4. An electronic apparatus comprising:

a circuit board including a first mounting area on which a heat-generating component is mounted and a second mounting area different from the first mounting area;

5 a housing including the circuit board and having a first opening opposed to the first mounting area;

a heat-radiating member mounted on the first mounting area and thermally connected to the heat-generating component;

10 a first fan module mounted on the first mounting area to guide air to the heat-radiating member;

a partition wall which extends in a direction of the circuit board from the first opening, the partition wall being formed integrally with the circuit board as  
15 one component; and

a cover attached to the first opening to cover the first mounting area and having a second opening opposed to the first fan module.

20 5. The electronic apparatus according to claim 4, further comprising:

a third opening formed in the housing in correspondence with the second mounting area; and

a second fan mounted on the second mounting area to discharge air from the housing through the third  
25 opening.

6. The electronic apparatus according to claim 5, wherein the partition wall is located between the first

fan module and the second fan module.

7. The electronic apparatus according to claim 4,  
wherein the housing has a fourth opening opposed to the  
heat-radiating member, and the first fan module inhales  
5 air from the housing through the second opening, blows  
the inhaled air on the heat-radiating member and  
discharges the air outside the housing through the  
fourth opening.

8. The electronic apparatus according to claim 7,  
10 wherein the first fan module has an air inhaling port  
opposed to the second opening and an air discharging  
port opposed to the heat-radiating member.

9. The electronic apparatus according to claim 7,  
wherein the partition wall surrounds the first mounting  
15 area except for a portion corresponding to the fourth  
opening.

10. The electronic apparatus according to claim 4,  
wherein the partition wall contacts the circuit board.

11. The electronic apparatus according to claim 5,  
20 wherein the partition wall has a notch and the first  
fan module discharges air outside the first and second  
mounting areas from the third opening through the notch.

12. The electronic apparatus according to claim 5,  
wherein the partition wall has a notch and the second  
25 fan module discharges air outside the first and second  
mounting areas through the notch.

13. An electronic apparatus comprising:

a housing;

a first heat-generating member provided in the housing;

5 a heat-radiating member thermally connected to the first heat-generating member;

a first fan module guiding air to the heat-radiating member;

10 a second heat-generating member provided in the housing separately from the first heat-generating member;

a second fan module discharging air out of the housing;

a wall section provided in the housing, located between the first fan module and the second fan module;

15 first temperature sensing means for sensing a temperature of the first heat-generating member;

first rotation control means for controlling rotation of the first fan module in accordance with a sensing result of the first temperature sensing means;

20 second temperature sensing means for sensing a temperature of an inside of the housing; and

second rotation control means for controlling rotation of the second fan module in accordance with a sensing result of the second temperature sensing means.

25 14. The electronic apparatus according to claim 13, wherein the first temperature sensing means senses that the temperature of the first heat-generating member

exceeds a given temperature and supplies a sensing signal to both the first and second rotation control means, the first rotation control means rotates the first fan module at a maximum rotation speed in response to the sensing signal from the first temperature sensing means, and the second rotation control means rotates the second fan module at a maximum rotation speed in response to the sensing signal from the first temperature sensing means.

15            15. The electronic apparatus according to claim 13, further comprising setting means for setting both a rotation speed of the first fan module and a comparative value of the temperature sensed by the first temperature sensing means in the first rotation control means, and wherein the first rotation control means controls rotation of the first fan module based on contents set by the setting means.

20            16. The electronic apparatus according to claim 13, further comprising setting means for setting both a rotation speed of the second fan module and a comparative value of the temperature sensed by the second temperature sensing means in the second rotation control means, and wherein the second rotation control means controls rotation of the second fan module based on contents set by the setting means.

25            17. The electronic apparatus according to one of claims 15 and 16, wherein the setting means sets the

rotation speed of each of the first and second fan modules to a larger value in accordance with a rise in temperature of a range including the temperature sensed by one of the first and second temperature sensing means.

5 18. A method of cooling an electronic apparatus including a housing, a first heat-generating member provided in the housing, a heat-radiating member thermally connected to the first heat-generating member,  
10 a first fan module guiding air to the heat-radiating member, a second heat-generating member provided in the housing separately from the first heat-generating member, a second fan module discharging air out of the housing, and a wall section provided in the housing,  
15 located between the first fan module and the second fan module, the method comprising:

a temperature sensing step of sensing that the temperature of the first heat-generating member exceeds a given temperature and outputting a sensing signal;

20 a first rotation control step of rotating the first fan module at a maximum rotation speed in response to the sensing signal output in the temperature sensing step; and

a second rotation control step of rotating the second fan module at a maximum rotation speed in response to the sensing signal output in the temperature sensing step.

19. A method of cooling an electronic apparatus including a housing, a first heat-generating member provided in the housing, a heat-radiating member thermally connected to the first heat-generating member,  
5 a first fan module guiding air to the heat-radiating member, a second heat-generating member provided in the housing separately from the first heat-generating member, a second fan module discharging air out of the housing, and a wall section provided in the housing,  
10 located between the first fan module and the second fan module, the method comprising:

a temperature sensing step of sensing a temperature of the first heat-generating member;

a setting step of setting both a rotation speed of  
15 the first fan module and a comparative value of the temperature sensed in the temperature sensing step; and

a rotation control step of controlling rotation of the first fan module in accordance with contents set in the setting step and the temperature of the first heat-  
20 generating member sensed in the sensing step.